Operating Your System
With The KP-900 Wireless Keypad/Remote

COMPLETE CONTROL ™

Universal Remote Control®

This remote control was
Custom Programmed for you by:

●●●

For questions about your Custom Programming call:

●●●

Custom Programming of a complex home theater and/or a multi-room system is one of the most challenging tasks within an audio/video installation. It involves an intimate knowledge of how the components interact and exact details on the proper sequences of control.

Only a Complete Control dealer has the requisite experience and training to quickly and effectively customize a remote control for true automated operation.

Congratulations on your choice!

KP-900 Owners Manual © 2008 Universal Remote Control, Inc.

✹ Universal Remote Control®

TABLE OF CONTENTS

Congratulations!

You've purchased a unique wireless control. The KP-900 can be used as both a wall mounted keypad and as a hand-held remote control. The KP-900 achieves a magnificent combination of power and flexibility, simplifying and automating operation of even the most complex home theater system.

Wall Mounted Keypad and Hand-Held Remote Control

Once the wall bracket is securely installed on the wall, simply place the KP-900 into the bracket. Magnets snap the KP-900 into place. To use as a hand-held remote control, grasp the KP-900 from the top edge and pull it away from the bracket.

One Touch Multi-Colored Backlighting

Press any button to backlight the screen and the hard buttons.

Integrated Sound Signaling

The KP-900 incorporates a small speaker for beeps. Anytime you press a button, the KP-900 signals that it has understood your command with a beep sound.

Custom Labeled Buttons

The KP-900 is equipped with a bright, easy to read LCD screen which labels the six buttons to the right of the screen. These button labels change based on what you are watching or listening to. Thus, if you have selected Watching TV, you will see a list of buttons that are useful to that activity, while if you select DVD, the buttons will control the DVD.

Pressing the MAIN button displays the Main Menu pages of the KP-900. When you select one of the activities listed, the entire functionality of all the buttons changes to operate the selected device.
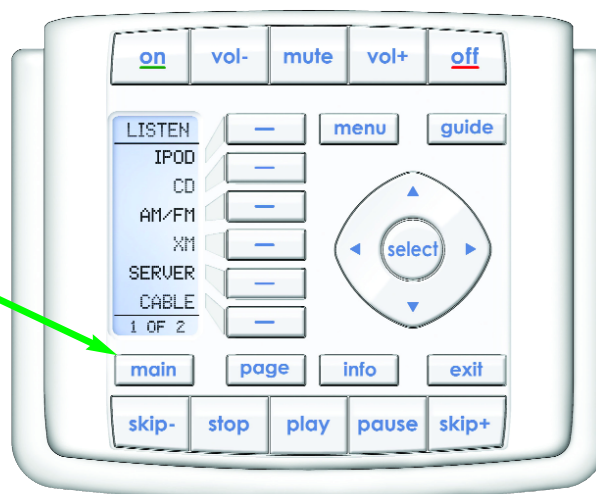
Optional RF "No Rules" Operation

In combination with a Complete Control RF Base Station, the KP-900 can control your system without being in line-of-sight of the equipment. On the wall or off, that means that you never need to point the KP-900.
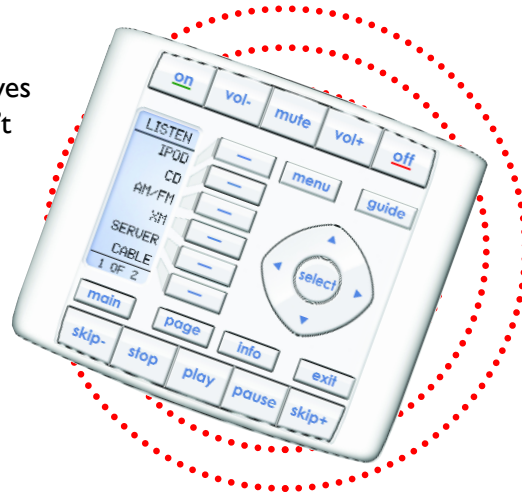
The MSC-400, the MRF-350 or the MRF-260 RF base station are compatible with the KP-900. All incorporate RF addressing. RF Addressing gives you the ability to control equipment locations throughout your home, even if they are concealed in other rooms or are behind closed doors.

1. The KP-900 sends radio waves in every direction, so you don't have to point the remote anymore!

2. The RFX-250 RF Sensor can be freely positioned for optimal reception.

3. The base station routes IR commands to the correct IR Flasher.

4. Self-adhesive "Flashers" affix to the Infrared sensors on the front panels of your components. The Flashers relay commands to components. The flashers plug in to the base station's rear flasher line outputs via their 10 foot cables. Uniquely, URC base stations can also connect to rear panel IR Inputs via their adjustable IR Line Outputs.

Securing the Wall Bracket

The KP-900 includes a wall bracket, four screws and four plastic caps to conceal the screwheads. Consult with a professional installer before attempting to secure the bracket to your wall. The included screws may not be appropriate for your walls.

Before making a hole in your wall, gather the family and evaluate the best height. Like a thermostat, the KP-900 should be at comfortable eye level for most of the family, typically between 54″ to 62″ from the floor to the top of the bracket (60″ is typical).

Use a bubble level and a pencil to draw a line on the wall, then hold the bracket in place. Screw in the four screws and cover the screw heads with the included self adhesive caps.

Magnets in the bracket and the keypad keep the KP-900 securely in place, yet make it easy to remove when you need a hand-held remote control.

Installing Batteries

There are two battery compartments on the rear of the KP-900. Each compartment holds two AAA batteries for a total of four AAA batteries.

Open each battery cover by pressing the release and pulling back the cover on the back of the control. Remove the cover.

Observe the + and - polarity indicators on the batteries.

Place a battery into the compartment with the positive (+) terminal facing the bottom of the KP-900. Slide the battery up into the top position and insert the second battery into place.

Now, replace the battery cover by inserting the hinged end in first, then snapping the cover back into place.

Repeat the process with the second battery compartment.

Programming the KP-900

The KP-900 is programmed via a Windows PC equipped with a USB port (programming cable included), using our proprietary software, KP-900 Editor. You can download this software from our website:

www.universalremote.com

Basic setup takes only a few minutes with this software. However, to fully automate an audio/video system the user must have a detailed knowledge of each component, you the user (and your preferences), and how the system is connected and operated. We highly recommend that you use a professional audio/video installer to program your KP-900 so you will be able to enjoy all the benefits of the KP-900 as well as one touch operation via macros.
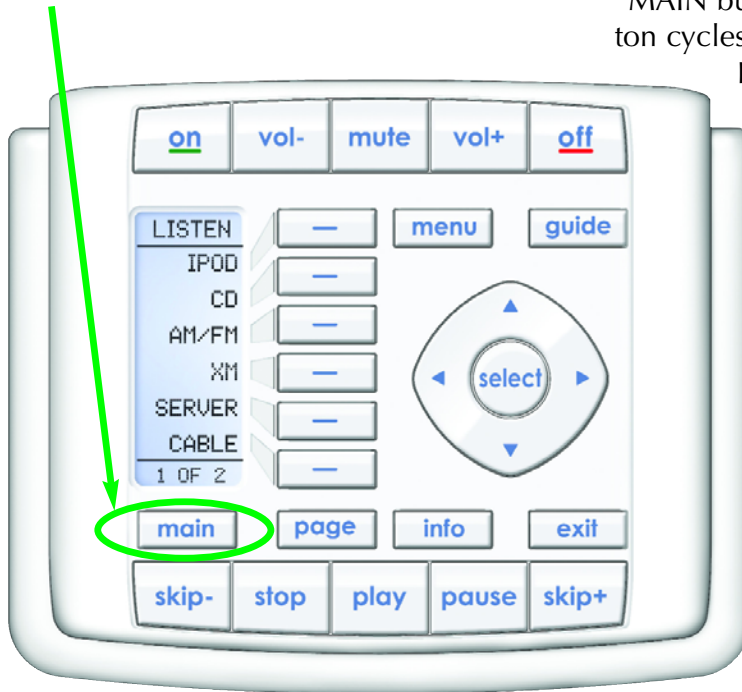
Selecting a New "Activity"

The KP-900's MAIN button displays the activities you can control with your KP-900. When you want to listen to the radio or to a CD, touch the MAIN button and select what you would like to listen to.

Your installer will have programmed the button you pressed to totally configure your system to watch or listen to whatever you selected. Now, the screen will change, and all of the LCD buttons will be reconfigured to give you full control of your system while watching or listening to your selection!

Optionally, your installer may have programmed two groups of activities (i.e Watch and Listen). To access either group, simply touch the MAIN button again. The MAIN button cycles the display from Watch to Listen, then back to Watch.

When you press the MAIN button, you can see the most frequently used activities in your system.

PAGE DISPLAY
At the bottom of the LCD screen, the page display informs you if there are other pages of buttons available.
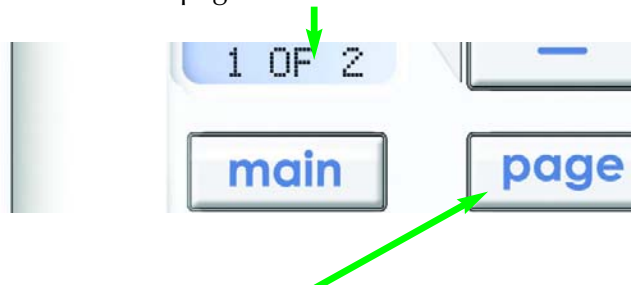
Press the PAGE button to see any other available choices.

Using the KP-900 to Control an "Activity"

Once you've selected a new activity, the KP-900 displays the title of the activity at the top of the screen. Below the title, the LCD displays the customized names of any special features you need for the activity. All the hard buttons of the KP-900 have now changed to functions optimized for this activity.

The Title displays what activity you can control.

Each activity can have many pages of LCD labeled buttons. At the bottom of the LCD the page number is displayed.
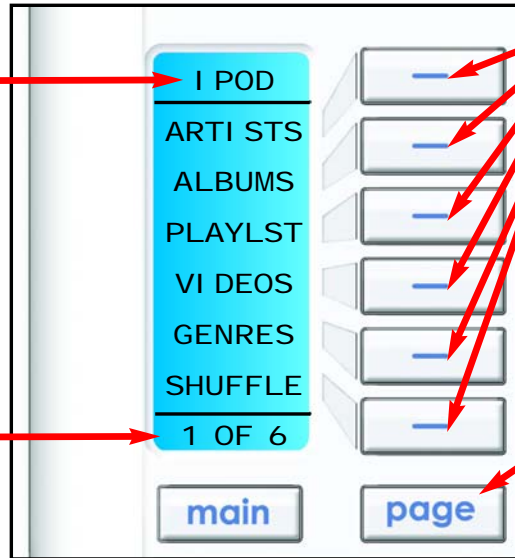
The LCD button labels describe special features for this activity.

Press the PAGE button to use the other pages of LCD labeled buttons.

All of the KP-900's hard buttons change their function and now control the selected activity.

Displaying the Setup Screen

You can adjust the settings of the KP-900 whenever you like by pressing and holding both the MAIN and the SELECT buttons at the same time for three seconds. When you do, the screen will change to the 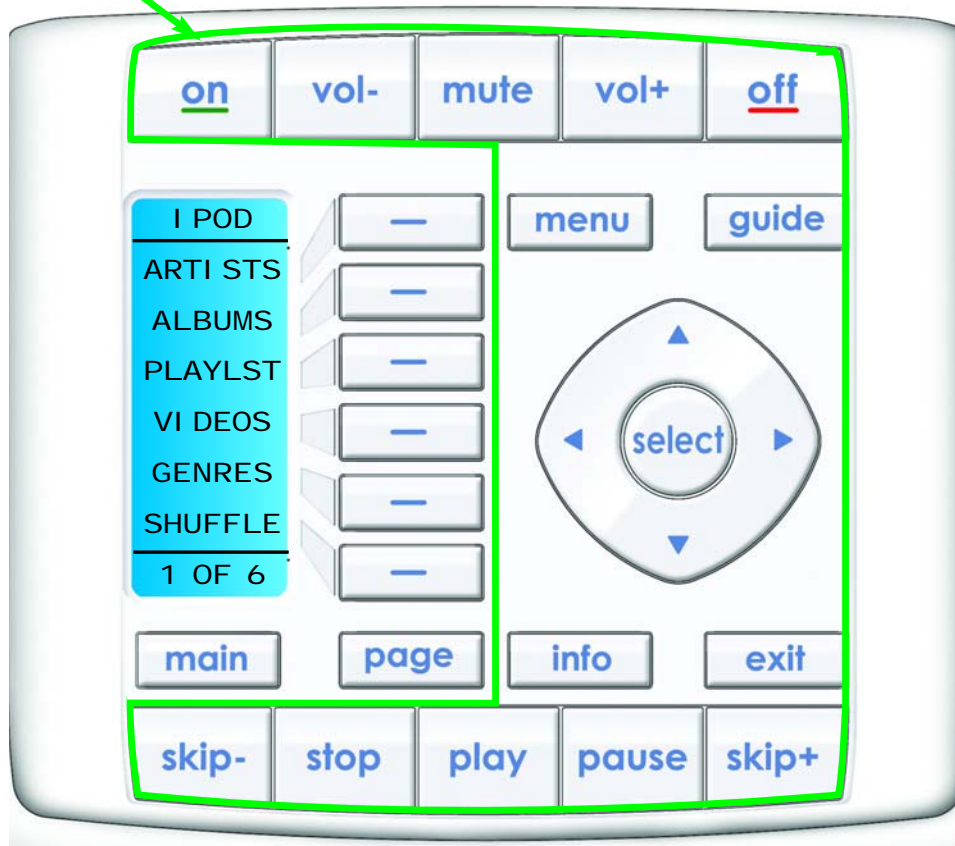SETUP screen. If you do not press any button on the SETUP screen within 30 seconds, the KP-900 will time out and automatically return to normal operation. You can return to normal operation before that by pressing the MAIN button.

At the same time, press and hold both the MAIN button and the SELECT button. When the SETUP screen appears, you can release the two buttons.
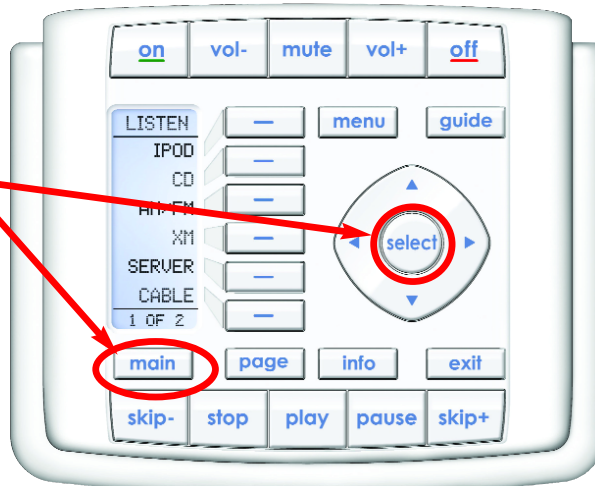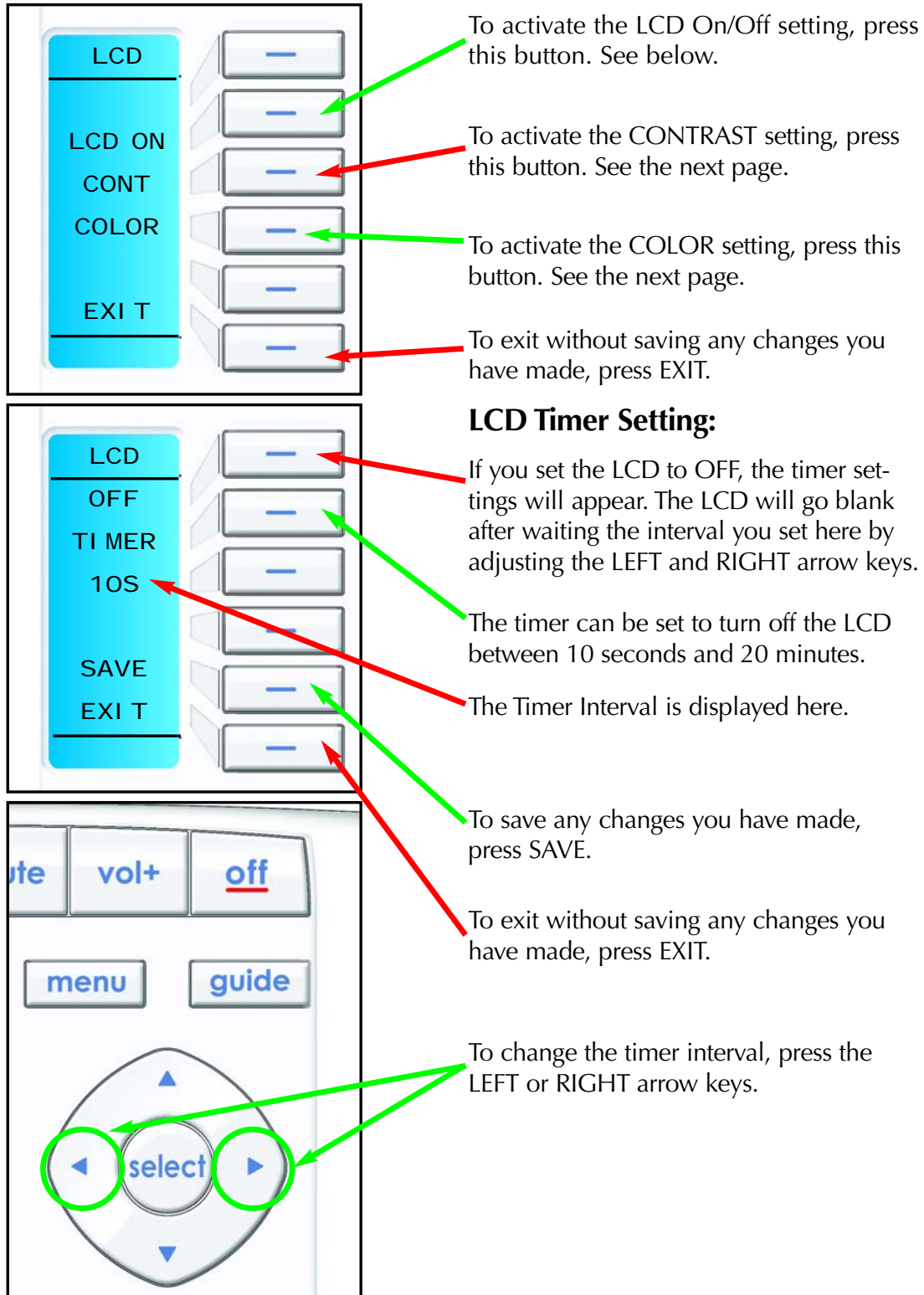
Selecting from the Setup Screen

Simply touch the button for the setting you'd like to adjust:

LCD - The appearance of the screen.

LIGHT - The timing of the LCD and Button Backlighting

SOUND - The volume of the beeps.

SYSTEM - The battery low warning.

VERSION - No adjustments are possible. Displays factory info.

FACTORY - Erases current configuration permanently and installs a factory test file.
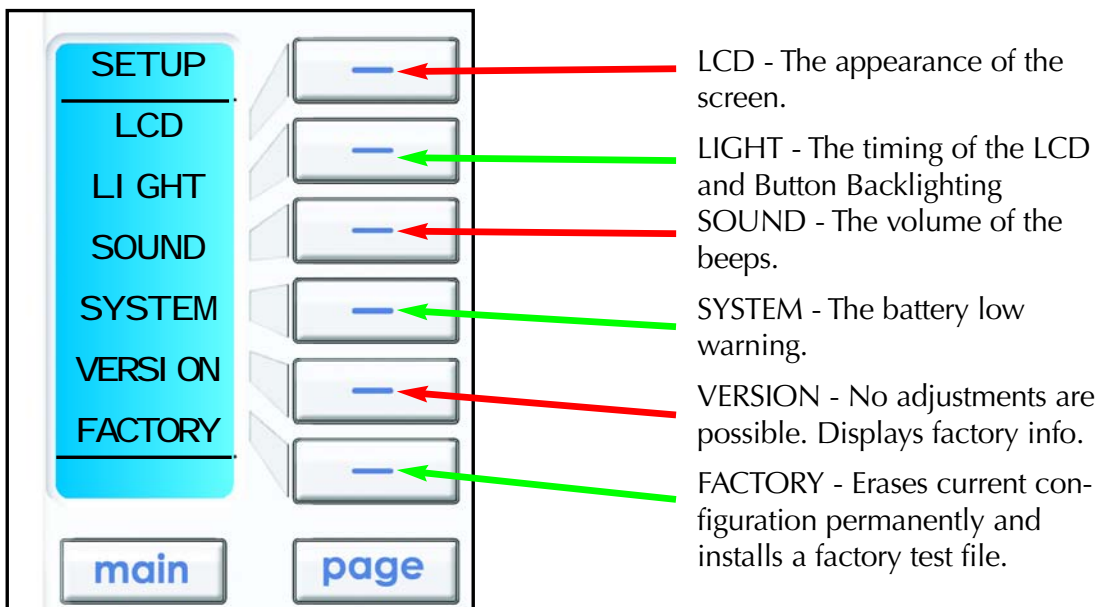
Setting the LCD

With these settings, you can set the KP-900 to constantly display the LCD when not in use, or show a blank screen when not in use. Additionally, you can control the contrast of the screen and the color of the backlighting.

LCD —	To activate the LCD On/Off setting, press this button. See below.
LCD ON — CONT —	To activate the CONTRAST setting, press this button. See the next page.
COLOR —	To activate the COLOR setting, press this button. See the next page.
EXI T —	To exit without saving any changes you have made, press EXIT.

LCD Timer Setting:

LCD —

If you set the LCD to OFF, the timer settings will appear. The LCD will go blank after waiting the interval you set here by adjusting the LEFT and RIGHT arrow keys.

OFF —

TI MER —

1OS —

The timer can be set to turn off the LCD between 10 seconds and 20 minutes.

The Timer Interval is displayed here.

SAVE —

EXI T —

To save any changes you have made, press SAVE.

To exit without saving any changes you have made, press EXIT.

To change the timer interval, press the LEFT or RIGHT arrow keys.

Setting LCD Contrast

You can adjust the contrast of the LCD screen using the LEFT and RIGHT arrow keys once the LCD contrast screen has been selected (shown on the previous page).

The current CONTRAST is displayed here via a bar graph.

To save any changes you have made, press SAVE.

To exit without saving any changes you have made, press EXIT.

Adjust the CONTRAST setting with the LEFT and RIGHT keys as shown in the previous pages.
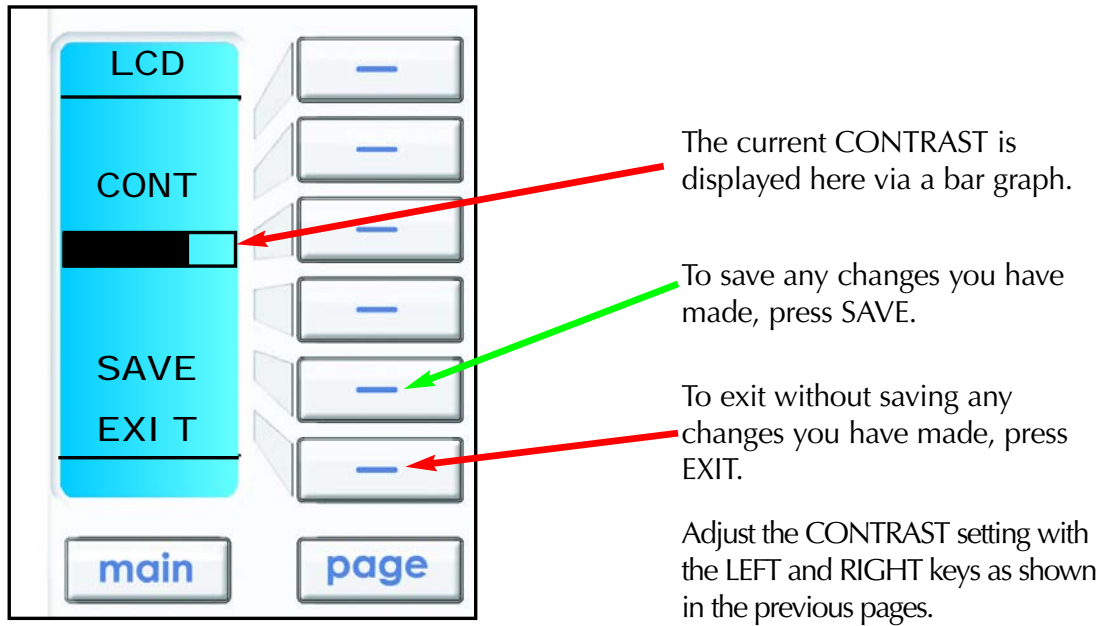
Setting LCD Color

Typically, the LCD color settings are controlled by the PC Editor. However, by selecting USER instead of Software, then selecting the EDIT option, you can adjust the color of the backlighting via this Setup page:

The current Red, Green and Blue settings are displayed here as a bar graph. Simply, select the color you'd like to adjust by pressing the corresponding button, then use the LEFT & RIGHT arrow keys as shown on the previous pages to adjust the level.

To SAVE any changes you have made, press SAVE.

To exit without saving any changes you have made, press EXIT.
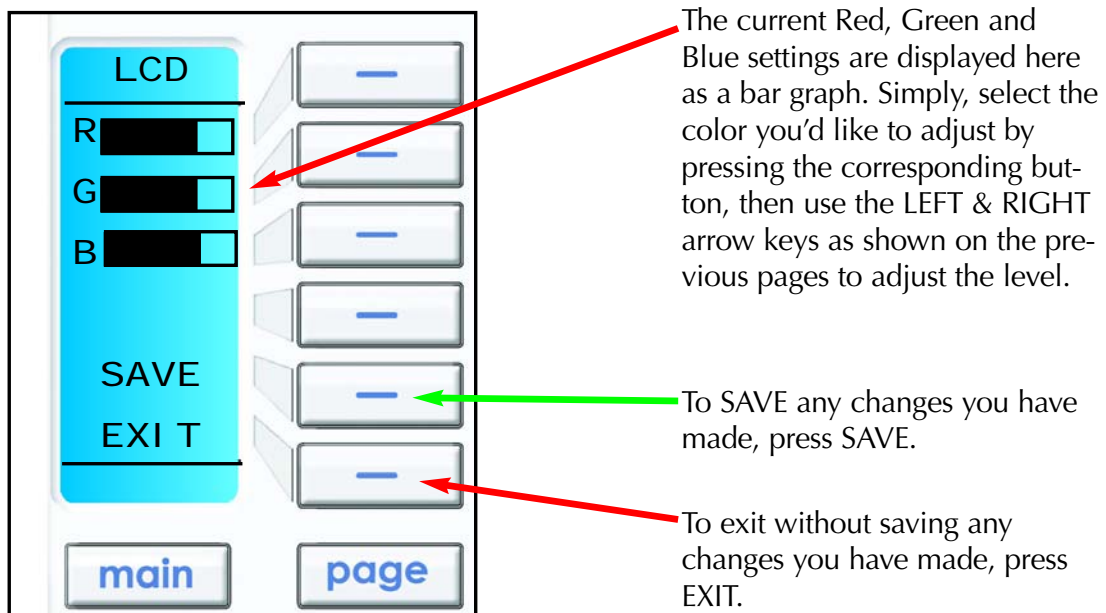
Light Settings

You can adjust the backlighting of the remote in two additional ways:

1. You can turn on/off the LCD and the hard button backlighting.
2. You can select the amount of time the lighting stays on after the last button press from a range of values between 10 seconds and 90 seconds.

LI GHT

ON

TI MER

1OS

SAVE

EXI T

main   page
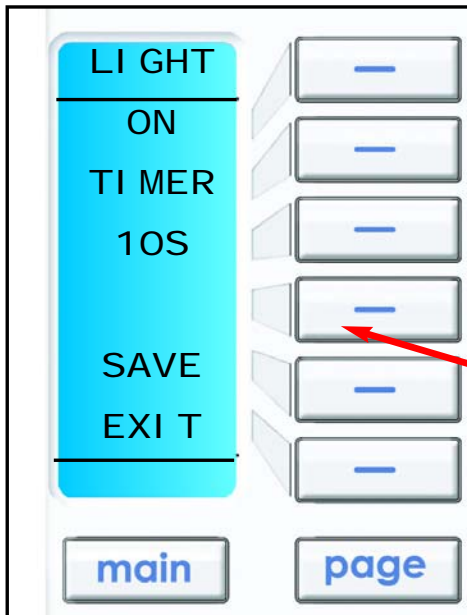
Change whether the backlighting is on or off by pressing this button.

If you want the backlighting always OFF, set it to OFF.

If you would like the backlighting on, select ON.

The current timer setting is displayed here in seconds.

Adjust the backlighting timer setting with the LEFT and RIGHT keys as shown in the previous pages.

Sound Volume

Your KP-900 beeps whenever a button is pressed. However, you can adjust the volume of the beep to one of four levels as shown here:

SOUND

VOLUME

SAVE

EXI T

main   page
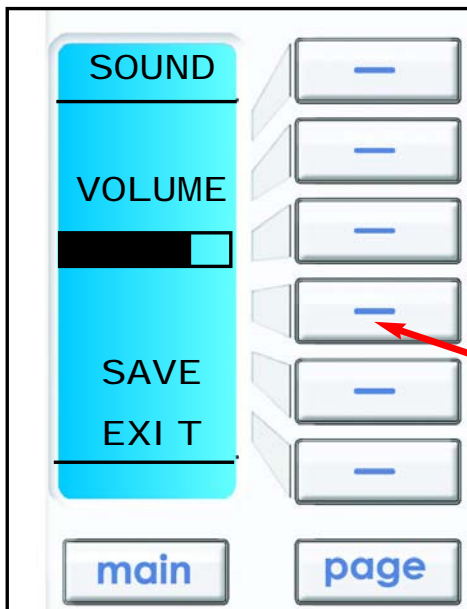
OFF

SLIGHT BEEP

MODERATE BEEP

LOUDEST BEEP

The current Beep volume is displayed here as a "bar".

Adjust the volume of the beep by tapping the LEFT and RIGHT arrow keys as shown in the previous pages.

System Settings

You can set your KP-900 to display the Low Battery warning at a power level between 0% and 20% (in 5% increments).

SYSTEM

POWER

WARN.

20%

MEMORY

main   page

The Power bar indicates available power with Black.

Press here to adjust the battery warning level.

The Memory bar indicates available memory with Black. The memory in use is White.

To exit, press MAIN.
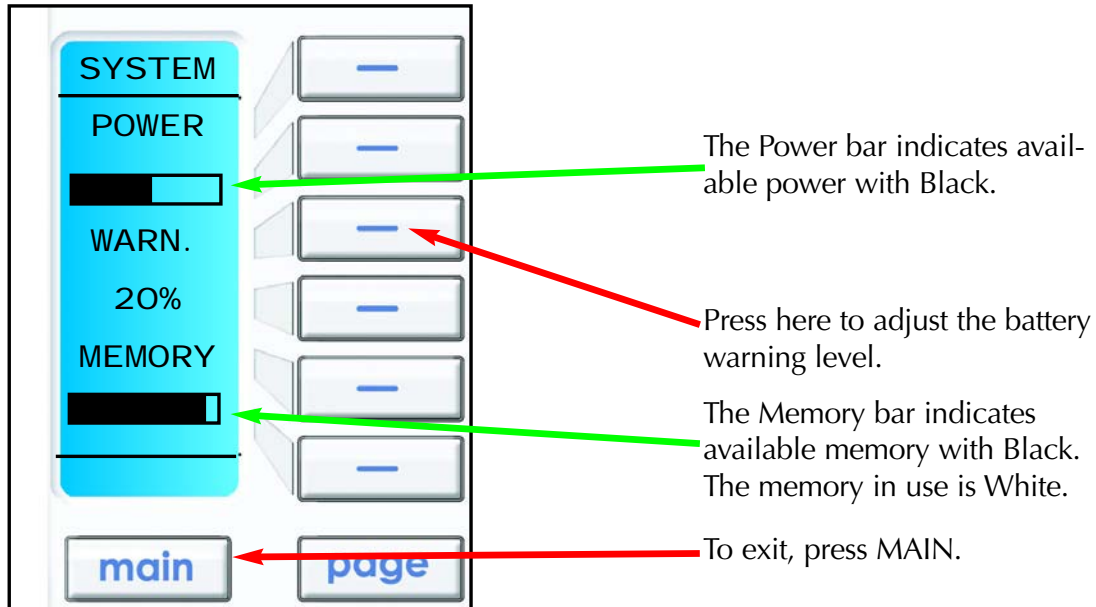
Version Information Displays

Should you be curious, the Version indicates what firmware and software versions were used to program your KP-900.

VERSI ON

EDI T

1. OO

S/W

. O58

RF

1. 12

main   page

To exit, press MAIN.
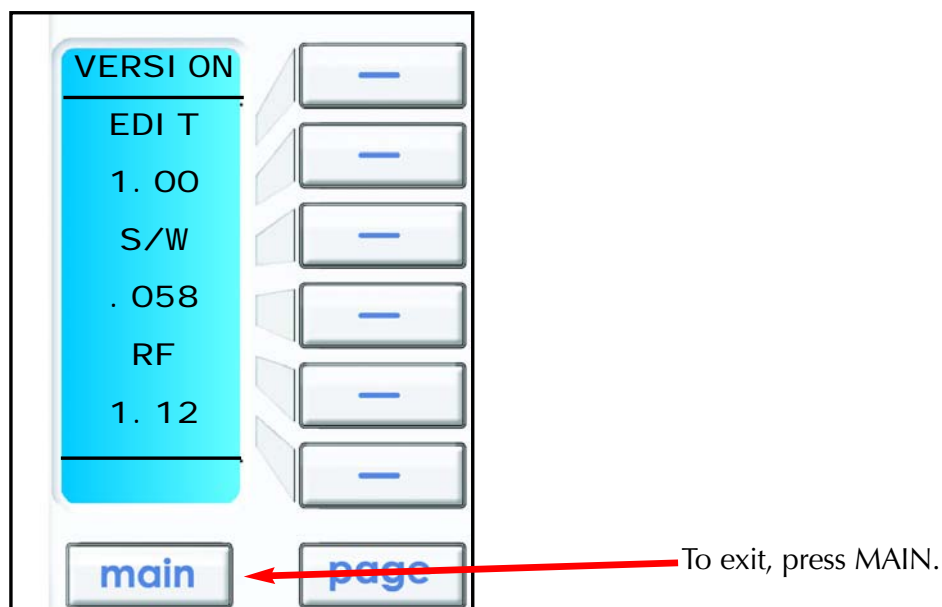
Factory Default

Warning! This should only be done in preparation for a new PC Editor session, your configuration will be completely erased and is only recoverable with the PC and the original configuration file.

Press here to erase your configuration and load the factory configuration.

Press here to return to the Setup Menu.

To exit, press MAIN.

USA Limited Warranty Statement

Your Universal Remote Control, when delivered to you in new condition, is warranted against defects in materials or workmanship as follows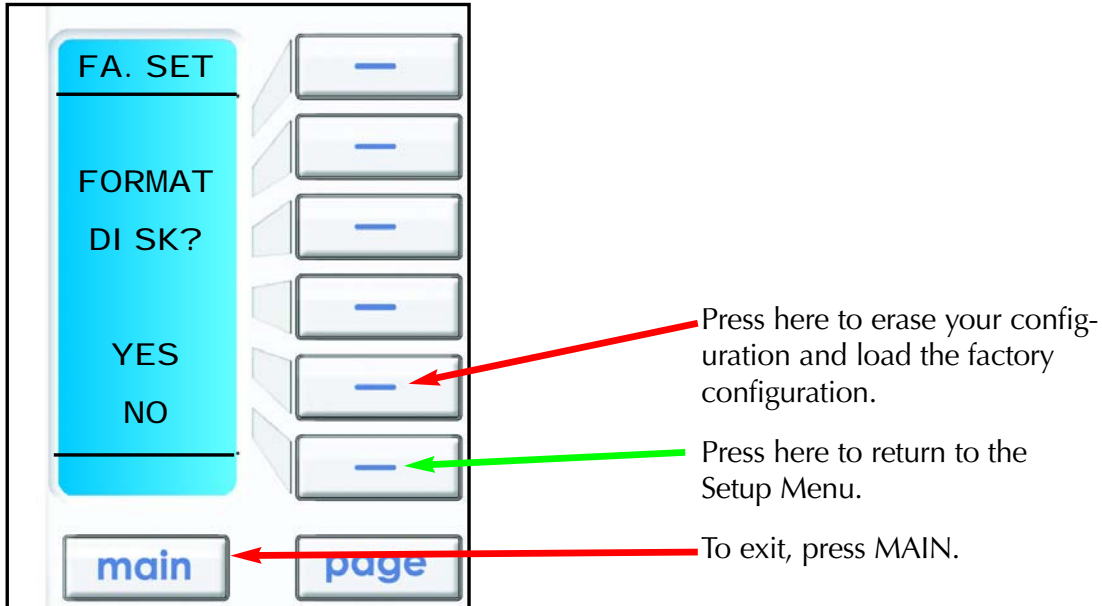: UNIVERSAL REMOTE CONTROL, INC. warrants this product against defects in material or workmanship for a period of one (1) year and as set forth below. Universal Remote Control will, at its sole option, repair the product using new or comparable rebuilt parts, or exchange the product for a comparable new or rebuilt product. In the event of a defect, these are your exclusive remedies.

This Limited Warranty covers only the hardware components packaged with the Product. It does not cover technical assistance for hardware or software usage and it does not cover any software products whether or not contained in the Product; any such software is provided "AS IS" unless expressly provided for in any enclosed software Limited Warranty.

To obtain warranty service, you must deliver the product, freight prepaid, in its original packaging or packaging affording adequate protection to Universal Remote Control at the address provided in the Owner's Manual. It is your responsibility to backup any macro programming, artwork, soft-

ware or other materials that may have been programmed into your unit. It is likely that such data, software, or other materials will be lost during service and Universal Remote Control will not be responsible for any such damage or loss. A dated purchase receipt, Bill of Sale, Installation Contract or other verifiable Proof of Purchase is required. For product support and other important information visit Universal Remote Control's website: http://www.UniversalRemote.com or call the Universal Remote Control Customer Service Center (914) 835-4484.

This Limited Warranty only covers product issues caused by defects in material or workmanship during ordinary consumer use. It does not cover product issues caused by any other reason, including but not limited to product issues due to commercial use, acts of God, third-party installation, misuse, limitations of technology, or modification of or to any part of the Universal Remote Control product. This Limited Warranty does not cover Universal Remote Control products sold as USED, AS IS, REFURBISHED, so-called "B STOCK" or consumables (such as batteries). This Limited Warranty is invalid if the factory-applied serial number has been altered or removed from the product. This Limited Warranty is valid only in the United States of America. This Limited Warranty specifically excludes products sold by unauthorized resellers.

UNIVERSAL REMOTE CONTROL SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, THERE IS NO OTHER WARRANTY EXPRESSED OR IMPLIED. UNIVERSAL REMOTE CONTROL WILL NOT BE HELD RESPONSIBLE FOR STATEMENTS MADE BY OTHERS CONCERNING THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT. Some states or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state or jurisdiction to jurisdiction.

Specifications

Memory - 4 Megabits of Flash Memory (for User Configuration)
Devices - Flexible, typically can support up to 255 Devices
Pages - Flexible, typically can support up to 255 Pages on each Device
Learning Capability - Standard frequencies (15kHz to 460kHz)
Macro Capability - Up to 255 steps each, however nesting is allowed, thus real macro length is unlimited.
Backlighting - Blue for all buttons, 255 color backlighting for the LCD
IR Range (Line of Sight via Infrared): 30-50 feet, depending on the environment
RF Range (radio frequency): 50 to 100 feet, depending upon the environment
RF Frequency: 418MHz
Weight: 14 ounces (with batteries)
Size (KP-900 only): 4-11/16" H x 5-7/16"" W x 9/16" D
Size (KP-900 with the Wall Bracket): 4-5/8" H x 6-1/16"" W x 3/4" D
Batteries: 4 AAA Batteries

Contact Us

Need assistance or have questions?
Our Customer Service Support Center is here to help.
Call (914) 835-4484 to speak with a customer service representative or email us at techsupport@universalremote.com

500 Mamaroneck Avenue, Harrison, NY 10528
Phone: (914) 835-4484 Fax: (914) 835-4532

www.universalremote.com

Your Listen Activities

Describe the inputs and modes you must set to listen to CD, Radio etc. in your home entertainment system.

Activity (Listen to CD, Listen to Radio etc.)	Audio Input	Audio Mode

Your Watch Activities

Describe the inputs you must set to watch or listen to TV, DVD etc. in your home entertainment system.

Activity (Watch TV, Watch DVD etc.)	TV Input	Audio Input

COMPLETE
CONTROL™

Universal Remote Control®